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12960 Commerce Lake Drive, A14, Fort Myers, FL 33913
42 Day Farm Road, West Stockbridge, MA 01266
1813 State Route 7, Harpursville, NY 13787

Project:	QC 2025	Project Number:	250014
Item:	Clay	Lab Number:	25-0417A
Location:	Stockpile	Item Number:	ASTM D422
Date Sampled:	4/8/2025	Sampled By:	Client
Date Tested:	4/28/2025-04/29/2025	Tested By:	William Soha

PARTICLE SIZE ANALYSIS BY SIEVE AND HYDROMETER METHOD

Test Method: ASTM D422

Sieve Size	Particle Diameter, mm	Percent Passing	Specification
3/8"	9.50	99.6	
#4	4.75	98.4	
#10	2.00	94.6	
#40	0.425	91.7	
#200	0.075	82.5	
Hydrometer Analysis Results	0.050	77.0	
	0.020	63.5	
	0.010	54.6	
	0.005	42.0	
	0.002	23.5	

SOIL SPECIFIC GRAVITY: 2.67 (As reported separately, or estimated.)

DISPERSION METHOD: Mechanical, 1 min.

SAND & GRAVEL PARTICLES:

Comments:

COMPOSITION SUMMARY (USDA SIZE DESIGNATIONS)		
Gravel	(3 inches to #10)	5.4%
Fraction Passing #10:		
Sand	(#10 to 0.05 mm)	18.6%
Silt	(0.05 mm to 0.002 mm)	56.6%
Clay	(Less than 0.002 mm)	24.8%
Total		100.0%
USDA Soil Textural Class		Silt Loam

REPORT REVIEWED BY:

Emily J. Rodriguez

The simple acceptance/rejection decision rule is utilized to determine in-tolerance and out of tolerance or pass/fail conditions and no measurement of uncertainty is applied in this determination.

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The results in this report relate only to the items inspected or tested.

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Date Sampled:	4/8/2025	Sampled By:	Client
Date Tested:	4/27/2025	Tested By:	Michael Flaherty

GRADATION (SIEVE ANALYSIS) OF SOIL OR AGGREGATE

Test Method(s): ASTM D422, C136, C117; AASHTO T88, T27, T11

Lab Number	Sample Type	Sampling Location	Specification
25-0417A	Clay	Stockpile	No Specification

Sieve Size		% Retained	% Passing	Spec. % Pass
mm	Inches			
100.0 mm	4"	0.0	100.0	
75.0 mm	3"	0.0	100.0	
63.0 mm	2 1/2"	0.0	100.0	
50.0 mm	2"	0.0	100.0	
37.5 mm	1 1/2"	0.0	100.0	
25.0 mm	1"	0.0	100.0	
19.0 mm	3/4"	0.0	100.0	
12.5 mm	1/2"	0.2	99.8	
6.3 mm	1/4"	0.6	99.2	
4.75 mm	#4	0.8	98.4	
2.00 mm	#10	3.8	94.6	
0.850 mm	#20	1.7	92.9	
0.600 mm	#30	0.6	92.3	
0.425 mm	#40	0.6	91.7	
0.150 mm	#100	2.5	89.2	
0.075 mm	#200	6.7	82.5	
Pan		82.5		

Comments:

Minus #200 by wash-sieve method.

Emily J. Rodriguez

Report Reviewed By:

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